



SAFE AND EFFICIENT WINTER MAINTENANCE PRACTICES

**SÉCURITÉ ET LES PRATIQUES EFFICACES
DE VIABILITÉ HIVERNALE**

**БЕЗОПАСНАЯ И ЭФФЕКТИВНАЯ ПРАКТИКА
ЗИМНЕГО СОДЕРЖАНИЯ**

WINTER MAINTENANCE

- PIARC TC 3.4
- Nordic Road Association
- European Research Projects
- Nordic Research Projects
- Swedish Research Projects



PIARC

Strategic Plan 2004-2007

TC 3.4 Winter Maintenance Terms of Reference



Issue 3.4.1 Improve Winter Maintenance and Operational Information Systems

<i>Strategies</i>	<i>Outputs</i>
<ul style="list-style-type: none"> Optimize the decision making process and the use of decision aid tools (eg. Road Weather Information Systems ‘RWIS’ and Maintenance Decision Support Systems ‘MDSS’). 	<ul style="list-style-type: none"> Links to other organizations working on the definition of sound siting, calibration and other standards/guidelines for RWIS, exchange of ideas/approaches, and encouragement of international harmonization. Synthesis of activities and recommendations in the area of winter maintenance decision support aids and approaches.
<ul style="list-style-type: none"> Promote the sharing of pertinent winter operations data (eg. RWIS data etc.) across jurisdictions. 	<ul style="list-style-type: none"> Report identifying barriers to free and open exchange and proposing steps/process to facilitate sharing (eg. engaging own organization and others to provide information in support of mobility and user needs).

Leader: Richard Charpentier



Issue 3.4.2 Provide Sustainable Winter Maintenance

<i>Strategies</i>	<i>Outputs</i>
<p>Analysis of public and private sector roles in the delivery of optimal winter road maintenance services.</p>	<p>Survey report on contracting. (May be included in the next edition of the Snow and Ice Data Book.) <i>Leader: Didier Giloppé</i></p>
<p>Update the review of winter road maintenance practices around the world. Include the context and extent of customer orientation in the conduct of winter road maintenance operations.</p>	<p>Second edition of the Snow and Ice Data Book. Include examples and comparative approaches to the inclusion of user needs in winter road maintenance. <i>Leader: Xavier Cocu</i></p>
<p>Explore sustainability of winter road maintenance practices with particular focus on balancing environmental impacts with mobility and safety considerations.</p>	<p>Main topic specifically on the 'Environment' for the XIIth International Winter Road Congress. <i>Leader: Ulrich Schlup</i></p>



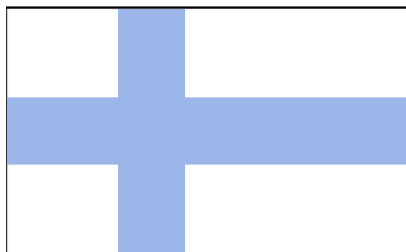
Issue 3.4.3 Share Knowledge

<i>Strategies</i>	<i>Outputs</i>
<p>Prepare the scientific programme for PIARC's XIIth International Winter Road Congress to be held in 2006 in Torino-Sestrière.</p> <p><i>Gudrun Öberg</i></p>	<p>Congress technical programme and proceedings.</p> <p>Congress programme to include session Chair formal report presentations prior to closing ceremonies.</p>
<p>Assist developing countries and countries in transition with their winter maintenance programmes.</p> <p><i>Aldis Lacis</i></p>	<p>Conduct a winter maintenance seminar in Riga, Latvia in the September 2005 time frame.</p>



NVF 41 Maintenance and operation

- As PIARC but only in the nordic countries
- Different groups (- Winter Maintenance)
- Seminars
- Co-operation with Baltic Road Association (seminars
 - Summer Maintenance
 - Gravel Road Maintenance)





RESEARCH

FEHRL

European Research and COST Projects

- **Intelligent Roads** (start April 2005)

INTRO aims to address the problems of road safety and capacity combining sensing technologies and local databases with real-time networking technologies.

- **Heavy Routes** (application September 2005)

The HeavyRoute project aims to develop an advanced route guidance system for HGVs as a tool for deriving the safest and the most cost effective routes for road freight transports throughout Europe.

- **COST 344 and 353**

Winter Maintenance Management System

